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Form PTO-1449

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Attorney Docket No.
62020-1530Serial No.
10/756,915Applicant
Degertekin, et al.Filing Date
1/13/04Group
~~EDA~~ 2881

U.S. PATENT DOCUMENTS

Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
/NW/	A	6,228,147	5/8/01	Takahashi	95	55	3/13/98
/NW/	B	6,474,786	11/5/02	Percin, et al.	347	54	2/22/01
/NW/	C	6,541,676	4/1/03	Franz, et al.	585	250	12/2/99

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

/NW/	D	Kikas, et al.; Hydrogen Production in a Reverse-Flow Autothermal Catalytic Microreactor: From Evidence of Performance Enhancement to Innovative Reactor Design; Ind. Eng. Chem. Res., Vol. 42, No. 25; pp. 6273-6279						
/NW/	E	Kikas, et al.; Hydrogen Production in the Reverse-Flow Autothermal Catalytic Microreactor; 7 th Int. Conference on Microreaction Technology; Switzerland, September 2003; pp 1-3						
/NW/	F	Kikas; et al.; Feedstock for Micro Fuel Cells: Efficient Hydrogen Production in the Reverse-Flow Autothermal Catalytic Microreactors with Fractal Structuring of the Catalytically Active Surface; Int. Symposium on Micro/Nano Scale Energy Conversion, Turkey, April, 2002; 3 pages						
/NW/	G	Meacham; et al.; A Micromachined Ultrasonic Droplet Generator Based on a Liquid Horn Structure; Review of Scientific Instruments (submitted on 09/25/03); pp 1-17						
/NW/	H	Phillips, et al.; Catalyst Surface At a Fractal of Cost - A Quest for Optimal Catalyst Loading; Chemical Engineering Science, No. 58; 2003; pp 2403-2408						
/NW/	I	Presentation to Prospective Sponsors; October, 2003						
/NW/	J	Klavs F. Jensen; Microreaction Engineering-Is Small Better?: Chemical Engineering Science, No. 56; 2001; pp 293-3003						
/NW/	K	Karnik, et al.; Towards a Palladium Micro-Membrane for the Water Gas Shift Reaction: Microfabrication Approach and Hydrogen Purification Results; Journal of Microelectromechanical Systems, Vol. 12, No. 1; February 2003; pp 93-100						

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EXAMINER'S SIGNATURE:
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/NW/		Edwards, et al.; On-Board Hydrogen Generation For Transport Applications: the HotSpot™ Methanol Processor; Journal of Power Sources, No. 71; 1998; pp. 123-128	
/NW/		Irving, et al.; Novel Catalytic Fuel Reforming with Advanced Membrane Technology; Proceedings of the 2001 DOE Hydrogen Program Review; NREL/CP-570-30535; 9 pages	
/NW/	O	Han, et al.; Purifier-Integrated Methanol Reformer for Fuel Cell Vehicles; Journal of Power Sources, No. 86; 2000; pp 223-227	
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/NW/	Q	Quiram, et al.; Design Issues for Membrane-Based, Gas Phase Microchemical Systems; Chemical Engineering Sciences, No. 55; 2000, pp 3065-3075	
/NW/	R	Hsing, et al.; Simulation of Micromachined Chemical Reactors for Heterogeneous Partial Oxidation Reactions; Chemical Engineering Science, No. 55; 2000; pp 3-13	
/NW/	S	Tonkovich, et al.; Microchannel Reactors for Fuel Processing Applications. I. Water Gas Shift Reactor; Chemical Engineering Science, No. 54; 1999; pp. 2947-2951	
/NW/	T	Fitzgerald, et al.; A Compact Steam Reforming Reactor For Use In An Automotive Fuel Processor; Proceedings of the Fourth International Conference on Microreaction Technology. 358-363. Atlanta, GA, 2000; pp 1-5	
/NW/	U	Tonkovich, et al.; The Catalytic Partial Oxidation of Methane in a Microchannel Chemical Reactor; Proceedings of the Second International Conference of Microreaction Technology, March 1998, New Orleans, Louisiana; 11 pages	
/NW/	V	Srinivasan, et al.; Chemical Performance and High Temperature Characterization of Micromachined Chemical Reactors; Transducers '97; 1997 International Conference on Solid-State Sensors and Actuators, Chicago, June 16-19, 1997; pp163-166	
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/NW/	X	Blanks, et al.; Bidirectional Adiabatic Synthesis Gas Generator; Chemical Engineering Science, Vol. 45, No. 8; 1990; pp 2407-2413	
/NW/	Y	Ajmera, et al.; A Novel Cross-Flow Microreactor for Kinetic Studies of Catalytic Processes; Presented at the 5th International Microreactor Engineering and Technology Conference, May 2001; 10 pages	
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	AA	Yurii Sh. Matros; Forced Unsteady-State Processes in Heterogeneous Catalytic Reactors; The Canadian Journal of Chemical Engineering, Vol. 74; October, 1996; pp 566-579
	BB	Arana, et al.; A Microfabricated Suspended-Tube Chemical Reactor for Thermally-Efficient Fuel Processing; REC. 07/09/2002; JMEMS, 0900; pp 1-31
	CC	Success in R&D of Optimal, Small-Scale, High-Performance Fuel Cells for Portable Devices; March 13, 2002; http://www.casio.com/corporate/pressroom.cfm?act=2&pr=553
	DD	Meacham, et al.; A Micromachined Ultrasonic Droplet Generator Based on a Liquid Horn Structure; Review of Scientific Instruments (Accepted); Submitted in Oct., 2003; pp 1-17
	EE	Yuan, et al.; MEMS-Based Piezoelectric Array Microjet; Microelectronic Engineering, No.; 66; 2003; pp 767-772
	FF	Brenn, et al.; Drop Formation From a Vibrating Orifice Generator Driven by Modulated Electrical Signals; Phys. Fluids, No. 9 (12); December, 1997; pp 3658-3669
	GG	Paul Calvert; Inkjet Printing for Materials and Devices; Chem. Mater., Vol. 13; 2001; pp 3299-3305
	HH	Calvert, et al.; Chemical Solid Free-Form Fabrication: Making Shapes Without Molds; Chm. Mater., Vol. 9; 1997; pp 650-663
	II	Chen, et al.; A New Method For Significantly Reducing Drop Radius Without Reducing Nozzle Radius in Drop-On-Demand Drop Production; Physics of Fluids, Vol. 14, No. 1; January, 2002; pp L1-L4
	JJ	Heij, et al.; Characterisation of a nL Droplet Generator For Inhalation Drug Therapy; Sensors and Actuators, Vol. 85; 2000; pp 430-434
	KK	Elrod, et al.; Nozzleless Droplet Formation With Focused Acoustic Beams; J. Appl. Phys. Vol. 65 (I); May 1, 1989; pp 3441-3447
	LL	Percin, et al.; Micromachined Droplet Ejector Arrays; Review of Scientific Instruments, Vol. 73, No. 12; December, 2002; pp 4385-4389
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